

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: ☒ DRILL

☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

☐ Single Zone ☒ Multiple Zone

2. Name of Operator

KERR McGEE OIL & GAS ONSHORE LP

3A. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements.)

At surface NESW 1844'FSL, 1161'FWL

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office*

21.5 MILES SOUTHEAST OF OURAY, UTAH

15. Distance from proposed*

location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

1161'

16. No. of Acres in lease

577.75

17. Spacing Unit dedicated to this well

20.00

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

REFER TO
TOPO C

19. Proposed Depth

9170'

20. BLM/BIA Bond No. on file

BOND NO: WY-2357

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5104'UNGRADED GL

22. Approximate date work will start*

23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature

Name (Printed/Typed)

SHEILA UPCHEGO

Date

8/9/2006

Title

REGULATORY ANALYST

Approved by (Signature)

Name (Printed/Typed)

BRADLEY G. HILL

Date

08-28-06

Title

Office ENVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

AUG 21 2006

T10S, R22E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

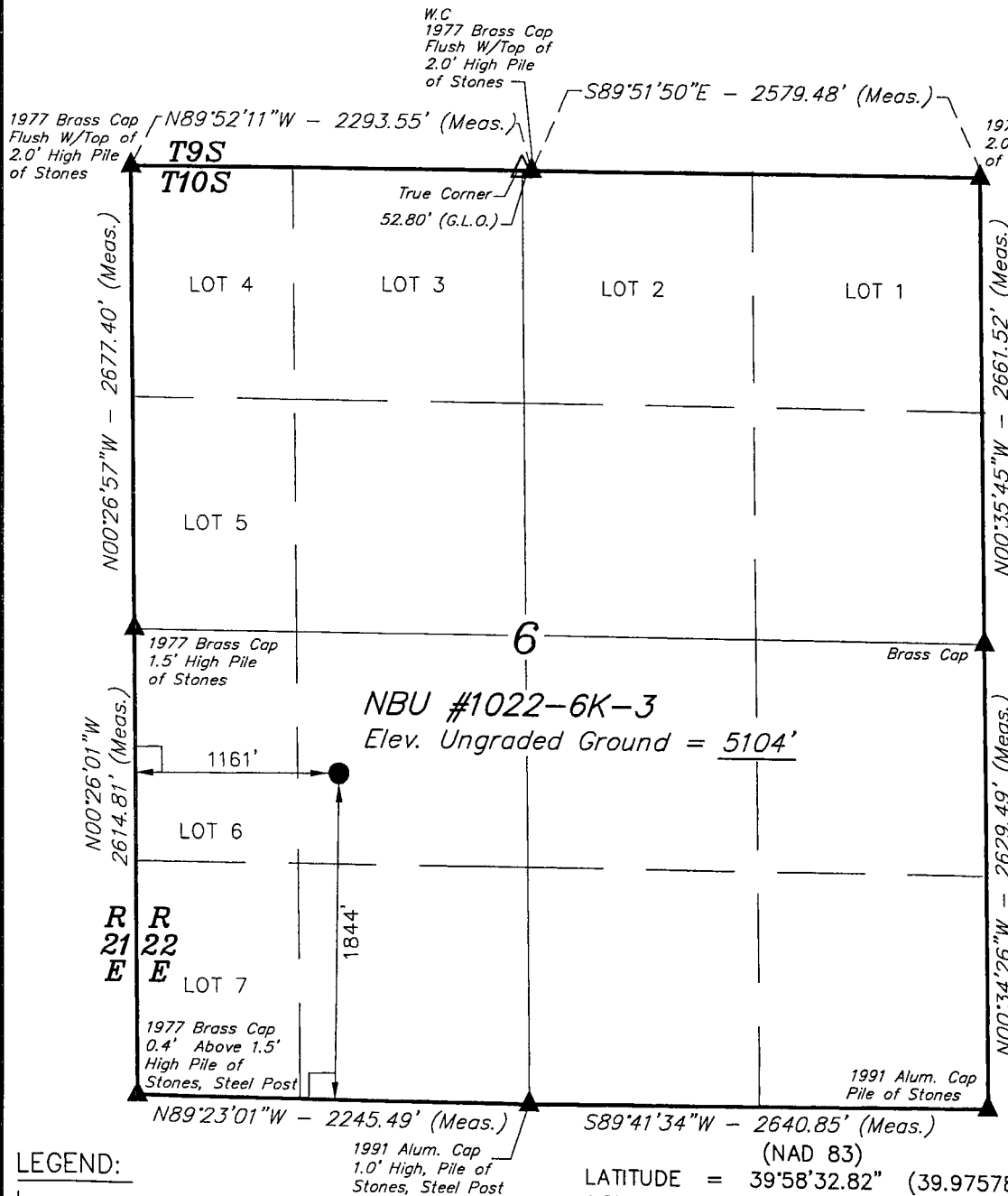
Well location, NBU #1022-6K-3, located as shown in the NE 1/4 SW 1/4 of Section 6, T10S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

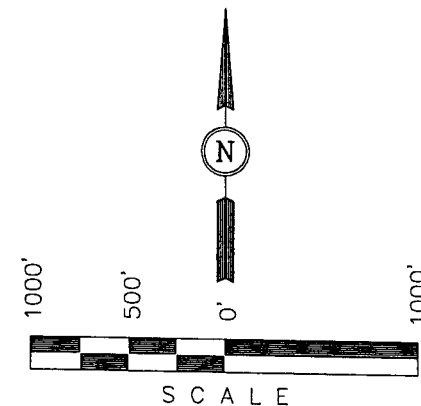
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



LEGEND:

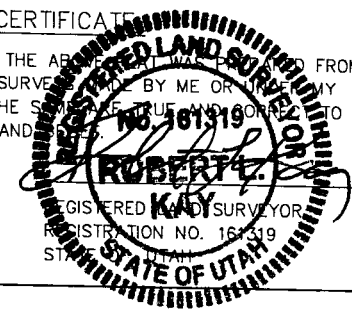
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set On Ground)

LATITUDE = 39°58'32.82" (39.975783)
 LONGITUDE = 109°29'11.14" (109.486428)
 (NAD 83)
 LATITUDE = 39°58'32.95" (39.975819)
 LONGITUDE = 109°29'08.67" (109.485742)
 (NAD 27)



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-13-06	DATE DRAWN: 04-19-06
PARTY J.R. L.M. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

August 28, 2006

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2006 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-38486	NBU 1022-3C-2	Sec 03 T10S R22E 0094 FNL 1890 FWL
43-047-38488	NBU 1022-3K-4T	Sec 03 T10S R22E 1570 FSL 2044 FWL
43-047-38489	NBU 1022-4O-3	Sec 04 T10S R22E 0025 FSL 2081 FEL
43-047-38490	NBU 1022-5M-4T	Sec 05 T10S R22E 0526 FSL 1079 FWL
43-047-38491	NBU 1022-5H-4	Sec 05 T10S R22E 2563 FNL 0241 FEL
43-047-38487	NBU 1022-6K-3	Sec 06 T10S R22E 1844 FSL 1161 FWL
43-047-38492	NBU 1022-6O-3	Sec 06 T10S R22E 0038 FSL 2083 FEL
43-047-38493	NBU 1022-7J-2T	Sec 07 T10S R22E 2228 FSL 2207 FEL
43-047-38494	NBU 1022-9N-2T	Sec 09 T10S R22E 1086 FSL 1850 FWL
43-047-38485	NBU 922-34L-1	Sec 34 T09S R22E 2524 FSL 1094 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

NBU #1022-6K-3
SWNESW SEC 6-T10S-R22E
UINTAH COUNTY, UTAH
UTU-01195

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1233'
Top of Birds Nest Water	1555'
Mahogany	2183'
Wasatch	4468'
Mesaverde	7065'
MVU2	7976'
MVL1	8594'
TD	9170'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1233'
	Top of Birds Nest Water	1555'
	Mahogany	2183'
Gas	Wasatch	4468'
Gas	Mesaverde	7065'
Gas	MVU2	7976'
Gas	MVL1	8594'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9170' TD, approximately equals 5685 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3668 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP.

10. **Other Information:**

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE August 9, 2006
WELL NAME NBU 1022-6K-3 TD 9,170' MD/TVD
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,104' GL KB 5,119'
SURFACE LOCATION SWNESW SECTION 6, T10S, R22E 1844'FSL 1161'FWL BHL Straight Hole
Latitude: 39.975783 Longitude: 109.486428
OBJECTIVE ZONE(S) Wasatch/Mesaverde
ADDITIONAL INFO Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to					
	Green River @	1,233'			
	Top of Birds Nest Water @	1555'			
	Preset f/ GL @				
	2,060' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
	Mahogany @	2,183'			
Mud logging program TBD					
Open hole logging program f/ TD - surf csg					
	Wasatch @	4,468'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.5 ppg
	Mverde @	7,065'			
	MVU2 @	7,976'			
	MVL1 @	8,594'			
	TD @	9,170'			Max anticipated Mud required 11.5 ppg



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

							DESIGN FACTORS		
	SIZE	INTERVAL	WT.	GR.	CPLG.		BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'					2270	1370	254000
SURFACE	9-5/8"	0 to 2060	32.30	H-40	STC		0.65*****	1.42	4.36
PRODUCTION	4-1/2"	0 to 9170	11.60	I-80	LTC		7780	6350	201000
							2.24	1.16	2.17

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
- MASP 3466 psi

***** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE	Option 2	NOTE: If well will circulate water to surface, option 2 will be utilized					
	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,960'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	430	60%	11.00	3.38
	TAIL	5,210'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1480	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____

Brad Laney

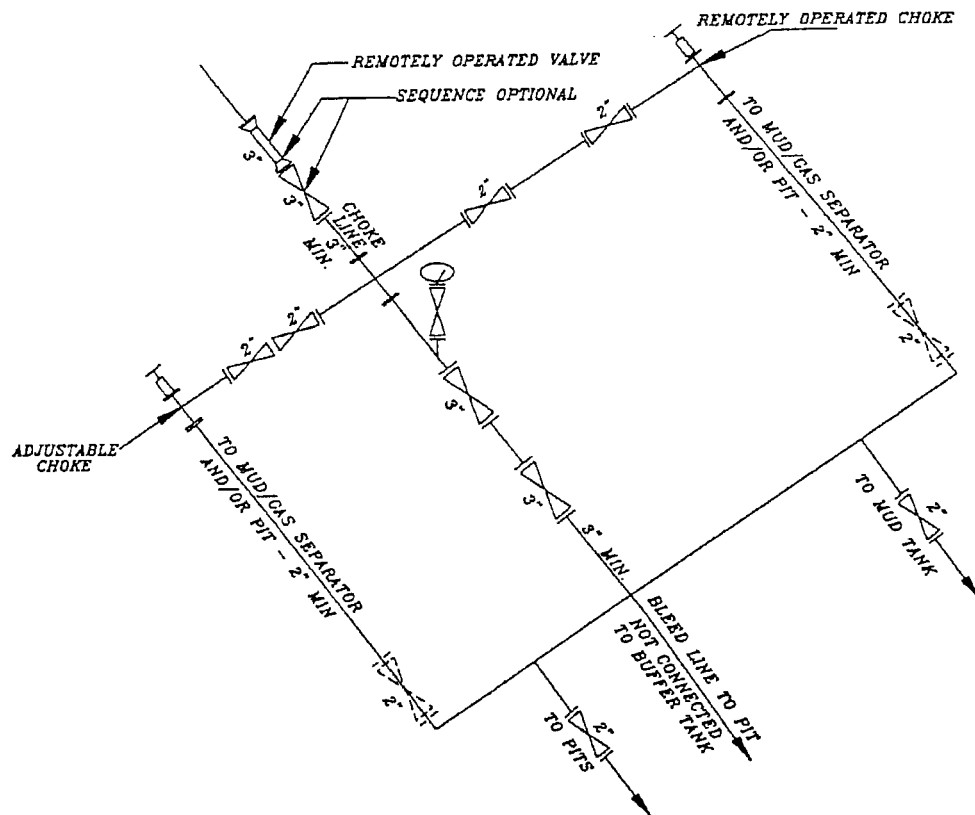
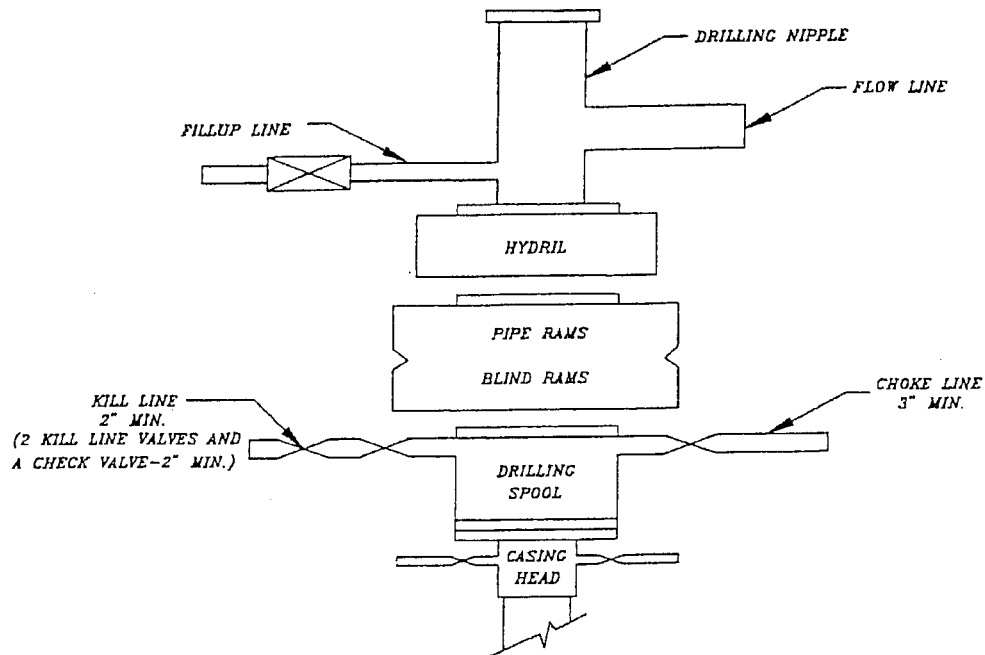
DATE: _____

DRILLING SUPERINTENDENT: _____

Randy Bayne

DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU #1022-6K-3
SWNESW SEC 6-T10S-R22E
UINTAH COUNTY, UTAH
UTU-01195**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 290' +/- of re-habed road needs upgraded. Please refer to the attached Topo Map B.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Approximately 341' +/- of 4" pipeline is proposed. Refer to Topo Map D.

Variances to Best Management Practices (BMPs) Requested:

The pipeline shall be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A 20 mil reserve pit liner with felt will be used. As discussed at the on-site inspection.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for **drilled** seed are:

Galleta Grass	20 lbs.
---------------	---------

Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Other Information:

A Class III archaeological survey has been performed and completed on May 3, 2006; The archaeological report No. 06-165 is attached. The paleontological survey have been performed and will be filed when received by our office

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operator's Representative & Certification:

Sheila Upchego
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WY-2357.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

8/9/2006

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #1022-6K-3
SECTION 6, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING RE-HABED ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 290' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 52.6 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-6K-3

LOCATED IN UINTAH COUNTY, UTAH
SECTION 6, T10S, R22E, S.L.B.&M.

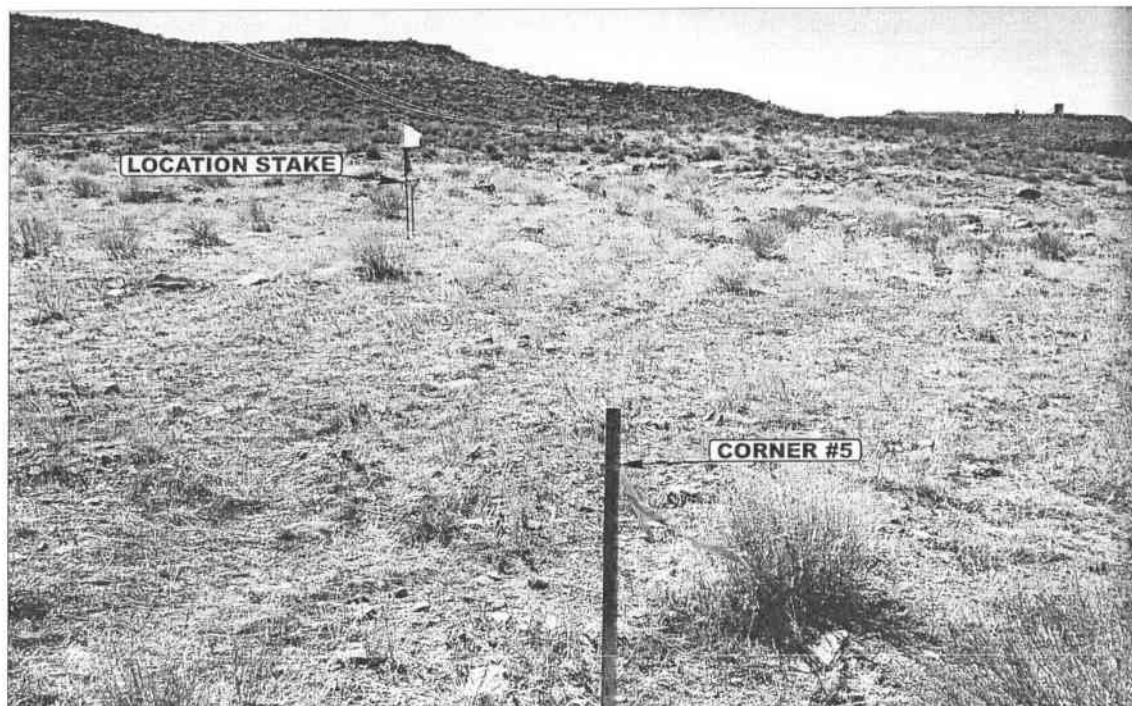


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

04
MONTH

17
DAY

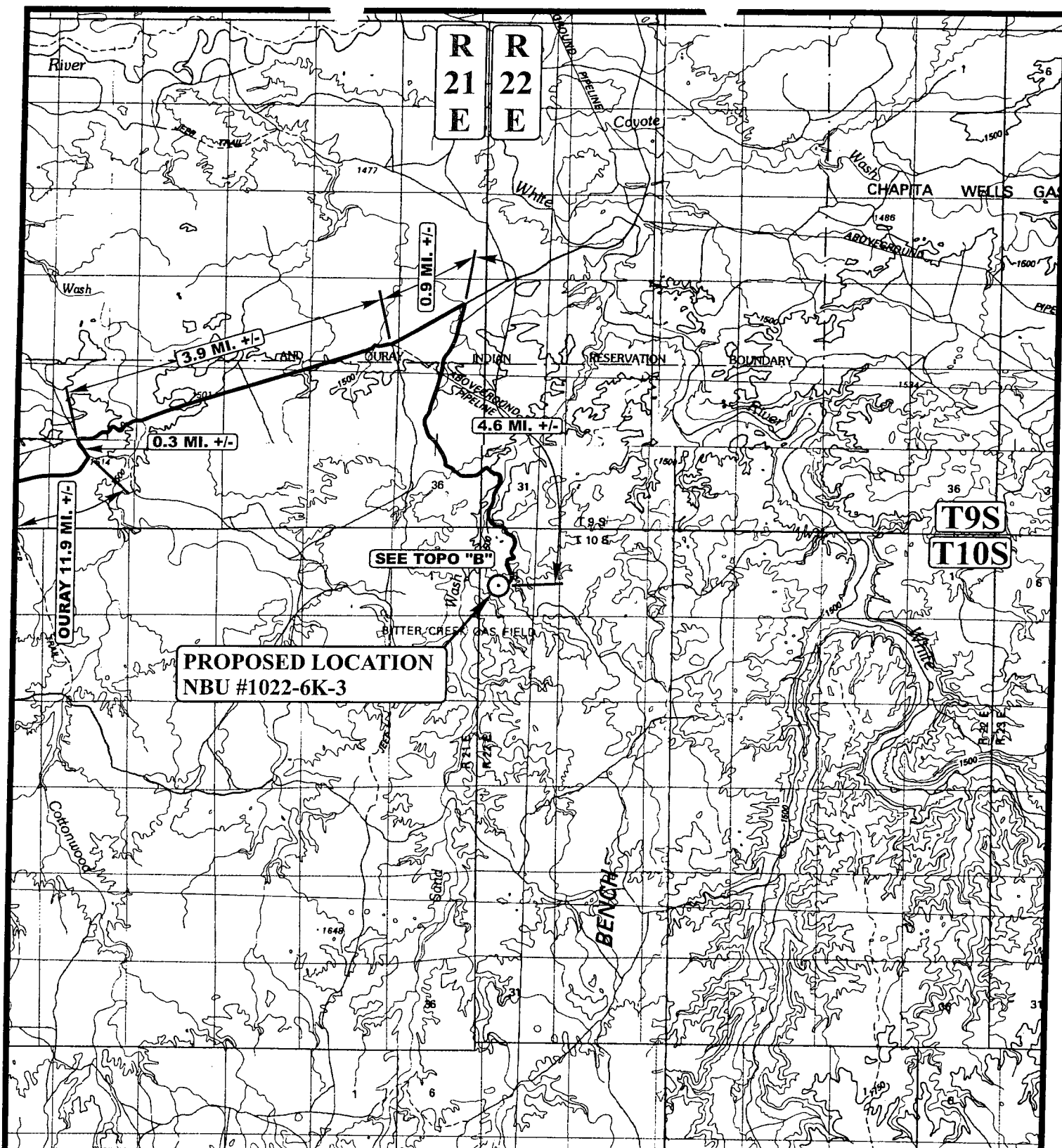
06
YEAR

PHOTO

TAKEN BY: J.R.

DRAWN BY: C.P.

REVISED: 00-00-00



LEGEND:

⊙ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-6K-3

SECTION 6, T10S, R22E, S.L.B.&M.

1844' FSL 1161' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
 MAP

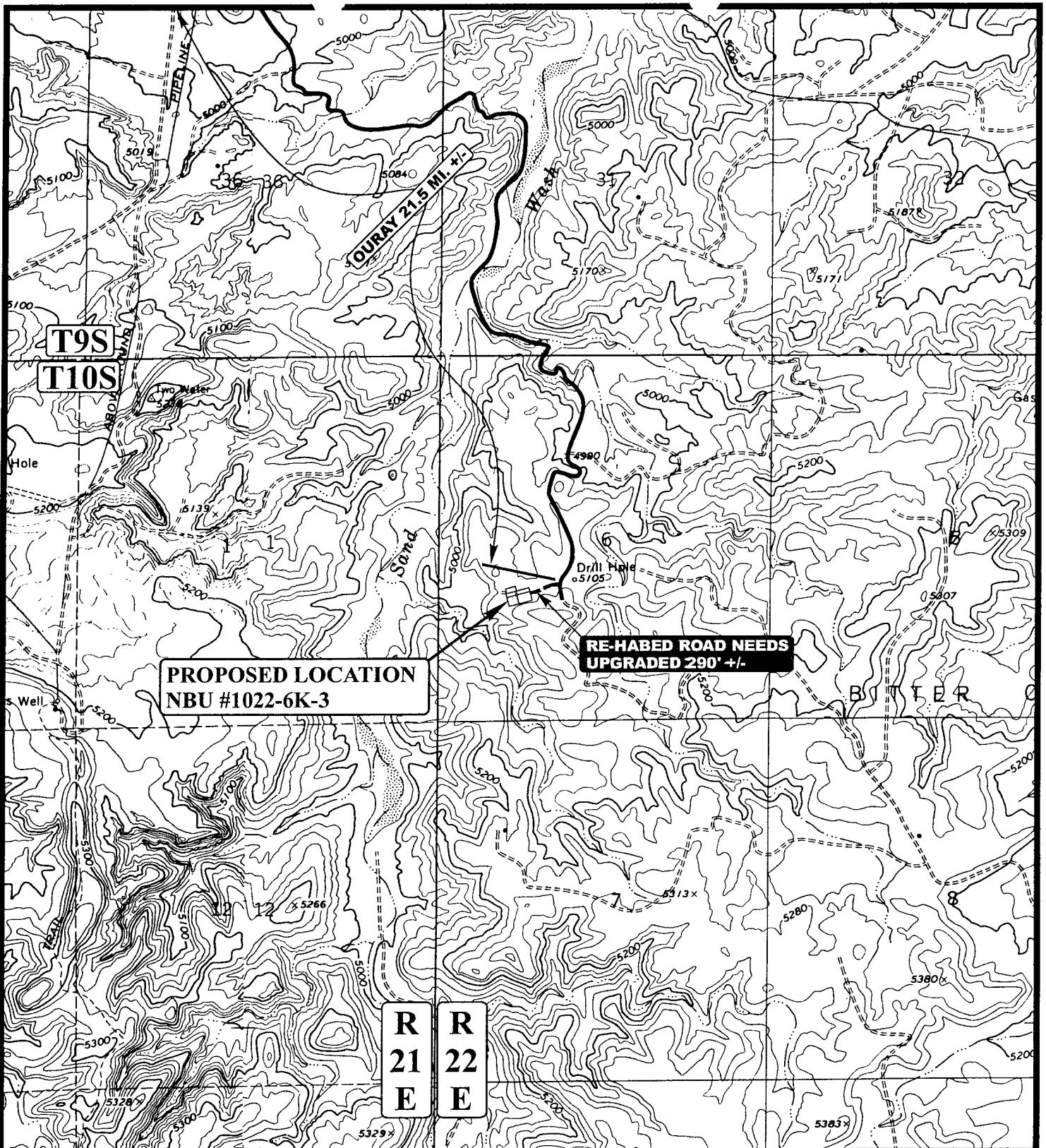
04 17 06
 MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: C.P.

REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- RE-HABED ROAD NEEDS UPGRADED



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-6K-3

SECTION 6, T10S, R22E, S.L.B.&M.

1844' FSL 1161' FWL



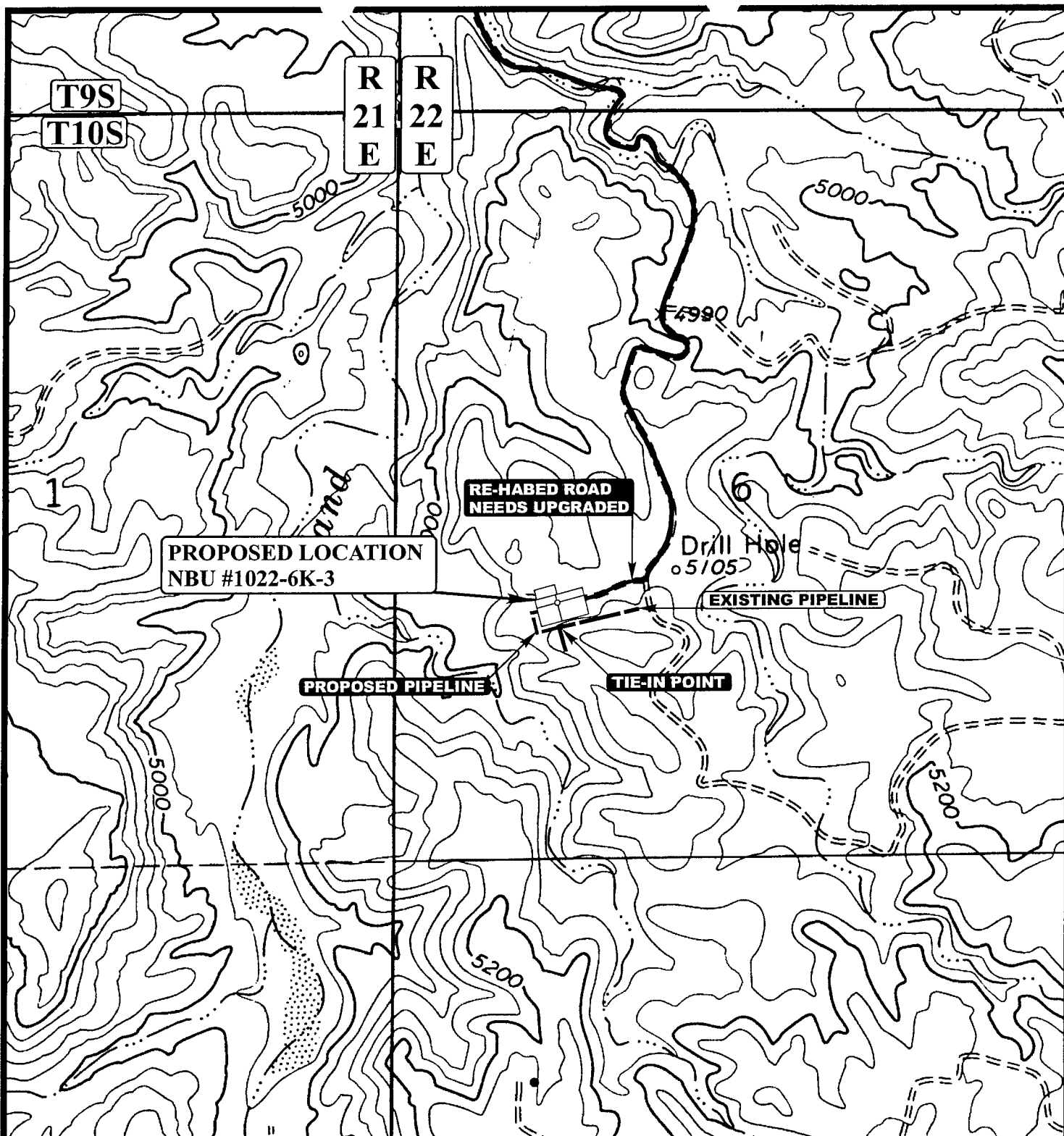
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

04 17 06
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 341' +/-

LEGEND:

- RE-HABED ROAD NEEDS UPGRADED
- EXISTING PIPELINE
- PROPOSED PIPELINE

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-6K-3

SECTION 6, T10S, R22E, S.L.B.&M.

1844' FSL 1161' FWL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC
MAP

04 17 06
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00

D
TOPO

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-6K-3

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 6, T10S, R22E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW OF PIPELINE AT LOCATION

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

04 17 06
MONTH DAY YEAR

PHOTO

TAKEN BY: J.R.

DRAWN BY: C.P.

REVISED: 00-00-00

FIGURE #1

NBU #1022-6K-3

0 3' 1844' FSL 1161' FWL

C-2.4'
El. 5105.7'

Topsoil Stockpile

F-4.6'
El. 5098.7'

Existing
Road

NOTE:

Pit Topsoil

F-1.0'
El. 5102.3

FLARE PIT

Total Pit Capacity
W/2' of Freeboard
= 15,490 Bbls. \pm
Total Pit Volume
= 4,280 Cu. Yds.

El. 5111.7'
C-18.4'
(btm. pit)

Elev. Ungraded Ground At Loc. Stake = 5103.9'
FINISHED GRADE ELEV. AT LOC. STAKE = 5103.3'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

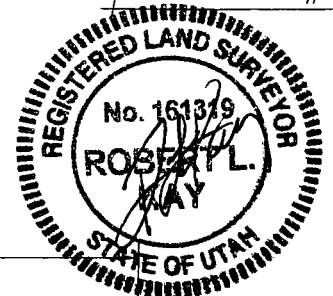
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #1022-6K-3

SECTION 6, T10S, R22E, S.L.B.&M.

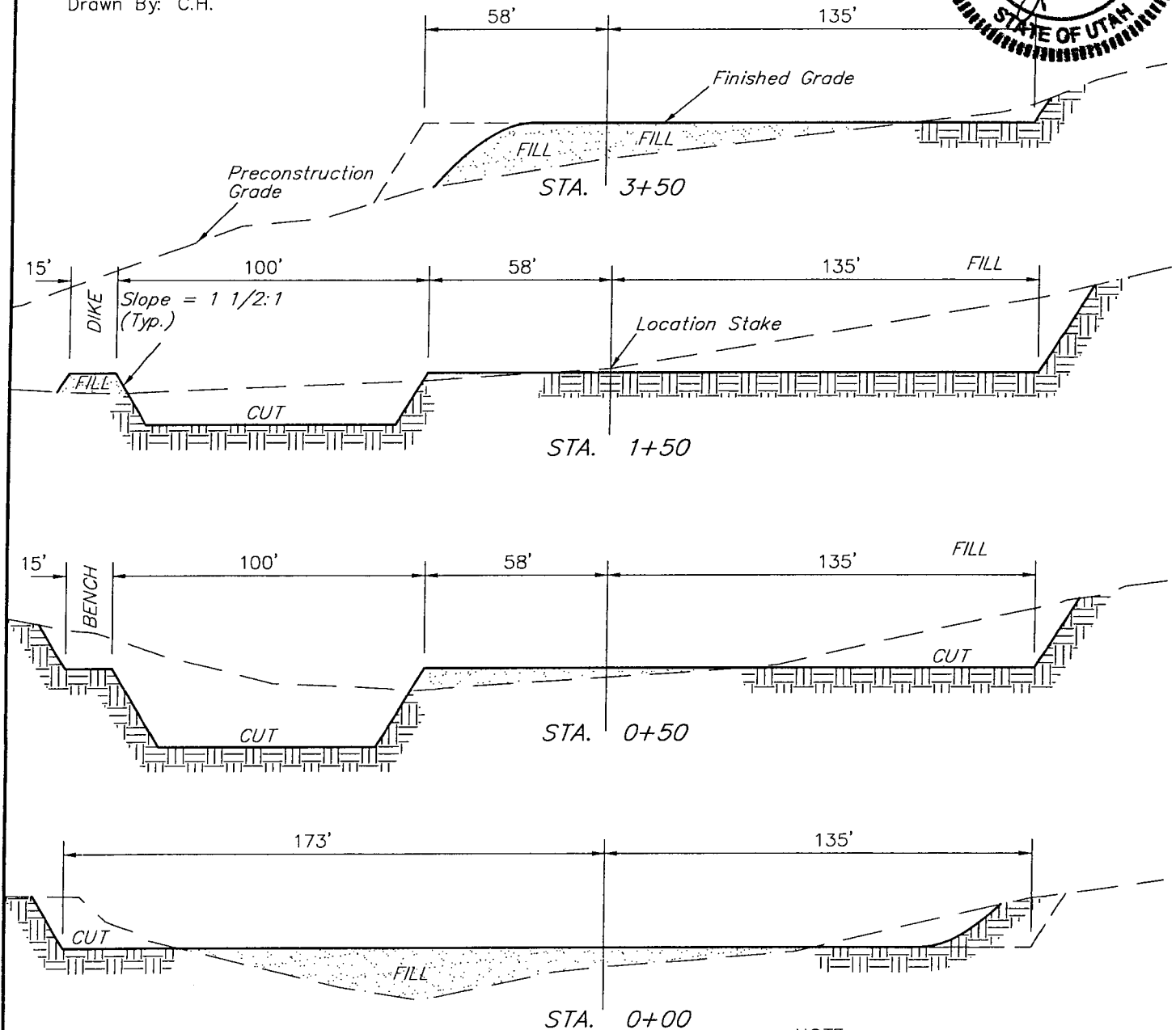
1844' FSL 1161' FWL



1" = 20'
X-Section
Scale
1" = 50'

DATE: 04-19-06

Drawn By: C.H.



* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,870 Cu. Yds.
Remaining Location	= 9,230 Cu. Yds.
TOTAL CUT	= 11,100 CU.YDS.
FILL	= 3,800 CU.YDS.

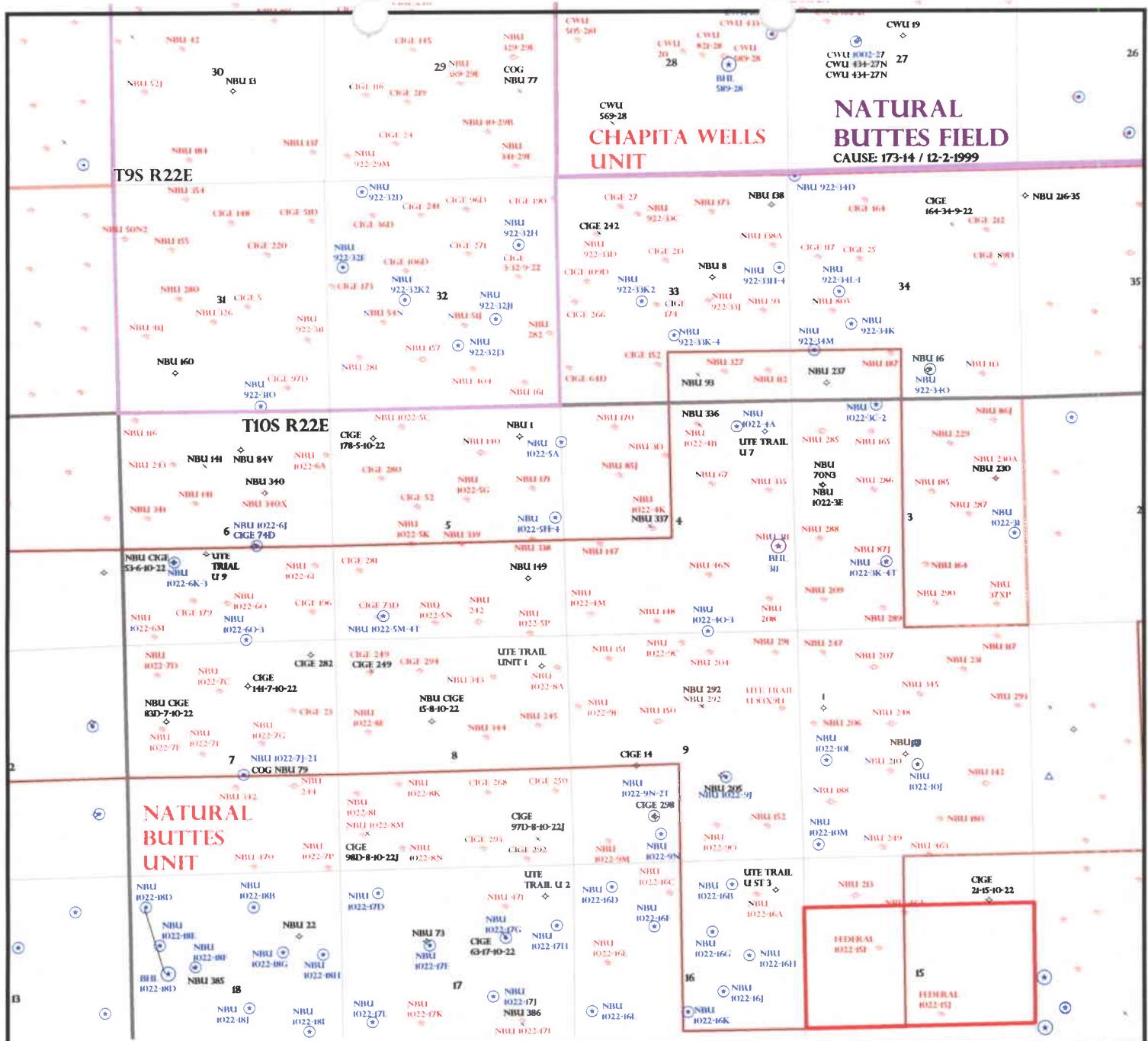
NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

EXCESS MATERIAL	= 7,300 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,010 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 3,290 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

1. Federal Reserve
2. Oil Spill



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 3,4,5,6,7,9 T.10S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999



PREPARED BY: DIANA WHITNEY
DATE: 22-AUGUST-2006



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

August 28, 2006

Kerr McGee Oil & Gas Onshore LP
1368 S 1200 E
Vernal, UT 84078

Re: Natural Buttes Unit 1022-6K-3 Well, 1844' FSL, 1161' FWL, NE SW, Sec. 6,
T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38487.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Kerr McGee Oil & Gas Onshore LP
Well Name & Number Natural Buttes Unit 1022-6K-3
API Number: 43-047-38487
Lease: UTU-01195

Location: NE SW **Sec.** 6 **T.** 10 South **R.** 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

UTU-01195

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

UNIT #8910089 00A

8. Well Name and No.

NBU 1022-6K-3

9. API Well No.

4304738487

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR MCGEE OIL AND GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)

(435)781-7003

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1844' FSL, 1161' FWL

NESW, SEC 6-T10S-R22E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other APD EXTENSION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	DOGM
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON AUGUST 28, 2006.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 07-18-07
By: [Signature]

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

RAMEY HOOPES

Title

LAND SPECIALIST I

Signature

[Signature]

Date

July 5, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

1-20-07
Rm

RECEIVED

JUL 17 2007

DIV OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738487
Well Name: NBU 1022-6K-3
Location: NESW, Sec. 6 T10S-R22E
Company Permit Issued to: KERR-MCGEE OIL AND GAS ONSHORE LP
Date Original Permit Issued: 8/28/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

7/5/2007

Date

Title: LAND SPECIALIST I

Representing: Kerr McGee Oil and Gas Onshore LP

RECEIVED

JUL 17 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01195
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217-3779		7. UNIT or CA AGREEMENT NAME: 891008900A
PHONE NUMBER: (720) 929-6226		8. WELL NAME and NUMBER: NBU 1022-6K-3
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1844' FSL & 1161' FWL COUNTY: Uintah		9. API NUMBER: 4304738487
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 6 10S 22E STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Natural Buttes Field

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, LP, respectfully requests an APD Extension for one year for this location, so that drilling operations may be completed. The original APD was approved by the Utah Division of Oil, Gas, and Mining on 8/28/2006.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 07-14-08
By: [Signature]

COPY SENT TO OPERATOR

Date: 7.15.2008
Initials: KS

NAME (PLEASE PRINT) Kevin McIntyre TITLE Regulatory Analyst I
SIGNATURE [Signature] DATE 7/9/2008

(This space for State use only)

RECEIVED

JUL 11 2008

DIV. OF OIL, GAS & MINING



**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738487
Well Name: NBU 1022-6K-3
Location: NESW, Sec. 6, T10S R22E
Company Permit Issued to: Kerr-McGee Oil & Gas Onshore, LP
Date Original Permit Issued: 8/28/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒


Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

7/9/2008
Date

Title: Regulatory Analyst I

Representing: Kerr-McGee Oil & Gas Onshore, LP

RECEIVED

JUL 11 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

AUG 10 2006

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.

UTU-01195

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

UNIT #891008900A

8. Lease Name and Well No.

NBU 1022-6K-3

9. API Well No.

43-047-38487

10. Field and Pool, or Exploratory

NATURAL BUTTES

11. Sec., T., R., M., or Blk. and Survey or Area

SEC. 3, T10S, R22E

12. County or Parish

UINTAH

13. State

UTAH

1a. Type of Work: ☒ DRILL

☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

☐ Single Zone ☒ Multiple Zone

2. Name of Operator

KERR MCGEE OIL & GAS ONSHORE LP

3A. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface SWNESW 1844'FSL, 1161'FWL

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office*

21.5 MILES SOUTHEAST OF OURAY, UTAH

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

1161'

16. No. of Acres in lease

577.75

17. Spacing Unit dedicated to this well

20.00

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

REFER TO
TOPO C

19. Proposed Depth

9170'

20. BLM/BIA Bond No. on file

BOND NO: WY-2357

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5104'UNGRADED GL

22. Approximate date work will start*

23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the
SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the
authorized office.

25. Signature



Name (Printed/Typed)

SHEILA UPCHEGO

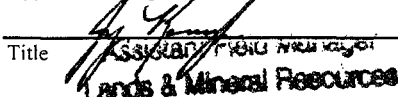
Date

8/9/2006

Title

REGULATORY ANALYST

Approved by (Signature)


Assistant Field Manager
Lands & Mineral Resources

Name (Printed/Typed)

John Kereka

Date

AUG 25 2008

Title

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

SEP 16 2008

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

COBM11687A

CONDITIONS OF APPROVAL ATTACHED

2008 05/09/06

4006M



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee Oil & Gas Onshore, LP
Well No: NBU 1022-6K-3
API No: 43-047-38487

Location: NESW, Sec.3, T10S, R22E
Lease No: UTU-01195
Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL:

- During operations, if any vertebrate paleontological resources are discovered, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hrs of the discovery, and a decision as to the preferred alternative/course of action will be rendered.
- The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural contours, topsoil respread where appropriate, and the entire location seeded with the recommended seed mix. Seeding should take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed.
- Seeding shall occur in the fall (August 1st until snow or ground is frozen).

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.
- A cement Bond Log (CBL) shall be run from the production casing shoe to the surface casing shoe. A field copy of the CBL shall be submitted to the BLM Vernal Field Office.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of

each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078

Operator Account Number: N 2995

Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738487	NBU 1022-6K-3		NESW	6	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	2/23/2009		<u>3/5/09</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 02/23/2009 AT 1700 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740179	NBU 922-32ET		SWNW	32	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	2/20/2009		<u>2/26/09</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 02/20/2009 AT 1030 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739995	NBU 1022-04N4T		SESW	4	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	2/23/2009		<u>2/26/09</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 02/23/2009 AT 1100 HRS.							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

FEB 24 2009

DIV. OF OIL, GAS & MINING

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

Title

2/24/2009

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU01195
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE L		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. NBU 1022-6K-3
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T10S R22E NESW 1844FSL 1161FWL		9. API Well No. 43-047-38487
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

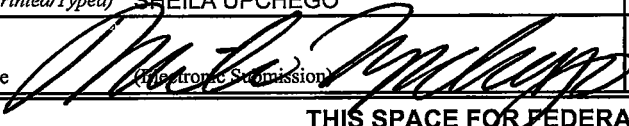
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PROPETRO AIR RIG ON 02/29/2009. DRILLED 12 1/4" SURFACE HOLE TO 2270'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DROP PLUG AND DISPLACE W/165 BBLs H2O PLUG DOWN AT 0800 HRS. NO CMT TO SURFACE FLOATS HELD. PMP 100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE. TOP OUT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE W/ APPROXIMATELY 2 BBLs FALL BACK CMT TO SURFACE HOLE STAYED FULL.

WORT

14. I hereby certify that the foregoing is true and correct. Electronic Submission #67740 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal		
Name (Printed/Typed)	SHEILA UPCHEGO	
Title	OPERATIONS	
Signature		
Date	03/02/2009	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved By	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

RECEIVED

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED MAR 04 2009

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU01195
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. NBU 1022-6K-3
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T10S R22E NESW 1844FSL 1161FWL		9. API Well No. 43-047-38487
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

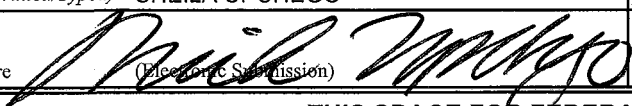
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Well Spud
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE.
CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 02/23/2009 AT 1700 HRS.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #67547 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal	
Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature  (Electronic Submission)	Date 02/24/2009
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Date _____
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED****RECEIVED****MAR 02 2009**

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01195
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-6K-3
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1844 FSL 1161 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047384870000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/16/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. FINISHED DRILLING FROM 2270' TO 9218' ON 11/15/2009. RAN 4-1/2" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS WATER @ 8.3 PPG. LEAD CM W/556 SX CLASS G PREM LITE @ 12.1 PPG, 2.23 YIELD. TAILED CMT W/132 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. FLUSH LINES AND DROP PLUG, DISPLACE W/142 BBLS WATER W/CLAYTREAT + 1 G MAGNACIDE & CORR INHIBITER. BUMP PLUG W/3150 PSI. ORIGINAL PUMP PSI 2600, 500 OVER PSI. 100% RETURNS TO PIT W/80 BBLS CMT BACK TO SURFACE. BLEED OFF 1.5 BBLS. SET CSG W/55K STRING WT. NIPPLE DOWN BOP & CLEAN MUD PITS. RELEASE PIONEER 69 RIG ON 11/16/2009 AT 14:00 HRS.		
<div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 17, 2009 </div>		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/16/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01195
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-6K-3
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1844 FSL 1161 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047384870000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/26/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 12/26/2009 AT 1:00 P.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 29, 2009		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/29/2009	

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-6K-3		Spud Conductor: 2/23/2009		Spud Date: 2/26/2009	
Project: UTAH-UINTAH		Site: NBU 1022-6K-3		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 2/25/2009		End Date: 11/16/2009	
Active Datum: RKB @5,122.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/6/0/SWNE/SW/6/PM/S/1,844.00/W/0/1,161.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/26/2009	0:00 - 3:00	3.00	MIRU	01	A	P		M.I.R.U. AIR RIG & EQUIPMENT
	3:00 - 0:00	21.00	DRLSUR	02	A	P		DRILL F/ 40' - T/ 1200' W/ AIR HAMMER / NO FORMATION WATER ENCOUNTERED
2/27/2009	0:00 - 12:00	12.00	DRLSUR	02	A	P		DRILL F/ 1200' - T/ 1500' W/ HAMMER / HIT TRONA WATER @ 1500'
	12:00 - 16:00	4.00	DRLSUR	05	C	P		CIRCULATE HOLE AND FILL RESERVE PIT W/ WATER FROM FORMATION TO DRILL
	16:00 - 18:00	2.00	DRLSUR	06	A	P		P.O.O.H. W/ HAMMER
	18:00 - 21:00	3.00	DRLSUR	06	A	P		MAKE UP B.H.A. & T.I.H.
	21:00 - 0:00	3.00	DRLSUR	08	A	Z		RIG REPAIR ON FUEL SYSTEM (DIRTY FUEL & FILTERS)
								RIG REPAIR ON DIRTY FUEL FILTERS & DIRTY FUEL
2/28/2009	0:00 - 3:00	3.00	DRLSUR	08	A	Z		DRILL F/ 1500' - T/ 1800' W/ MOTOR & PDC @ 672 GPM / 11K-15K WOB / LOOSING APPROX. 400 BBLS PER/HR WHILE DRILLING
	3:00 - 11:30	8.50	DRLSUR	02	B	P		WIRELINE SURVEY @ 1770' - 3/4 DEG
	11:30 - 12:00	0.50	DRLSUR	10	A	P		DRILL F/ 1800' - T/ 2270' W/ MOTOR & PDC @ 672 GPM / 11K-15K WOB / LOOSING APPROX. 150 BBLS PER/HR WHILE DRILLING
	12:00 - 21:30	9.50	DRLSUR	02	B	P		CIRCULATE & CONDITION HOLE FOR TRIP
	21:30 - 22:30	1.00	DRLSUR	05	C	P		WIRELINE SURVEY @ 2240' - 1.2 DEG
	22:30 - 23:00	0.50	DRLSUR	10	A	P		P.O.O.H. TO RUN CASING
	23:00 - 0:00	1.00	DRLSUR	06	D	P		L.D.D.S. + B.H.A.
	0:00 - 4:00	4.00	DRLSUR	06	D	P		RUN 51 JTS. 9 5/8 #36.0 LT&C CASING + RELATED TOOLS SET @ 2337' (G.L.)
	4:00 - 6:00	2.00	CSG	12	C	P		R.D.M.O. AIR TOOLS
	6:00 - 6:30	0.50	RDMO	01	A	P		M.I.R.U. CEMENT EQUIPMENT / SAFETY MEETING / PUMP 350 SX #15.8 CEMENT / DROP PLUG & DISPLACE W/ 165 BBLS H2O / PLUG DOWN @ 0800 HRS W/ NO CEMENT TO SURFACE / FLOATS HELD
3/1/2009	6:30 - 8:00	1.50	CSG	12	E	P		PUMP 100 SX #15.8 CEMENT DOWN BACK SIDE W/ NO CEMENT TO SURFACE
	8:00 - 8:30	0.50	CSG	12	E	P		W.O.C.
	8:30 - 10:30	2.00	CSG	13	A	P		PUMP 150 SX #15.8 CEMENT DOWN BACK SIDE W/ APPROX 2 BBLS FALL BACK / CEMENT TO SURFACE AND REMAINED AT SURFACE / R.D.M.O. CEMENT EQUIPMENT
	10:30 - 12:00	1.50	CSG	12	E	P		WAIT ON ROTARY TOOLS
	12:00 - 0:00	12.00	SUSPEN	21	D	P		MIRU ON NBU 1022-6K3, 4 BED, 2 HAUL TRUCKS, 2 FORKLIFTS, 4 SWAMPERS, 1 CRANE W/ 3 HANDS, TRUCKS & CRANE LEFT @ 15:30
	7:00 - 15:30	8.50	DRLPRO	01	A	P		RURT
	15:30 - 23:00	7.50	DRLPRO	01	B	P		N/U BOPE
	23:00 - 0:00	1.00	DRLPRO	14	A	P		N/U BOPE
	0:00 - 2:30	2.50	DRLPRO	14	A	P		TEST BOPE, RAMS & ALL VALVES 250 LOW 5000 HIGH ANN 250-2500, CASING 1500 F/ 30 MIN
	2:30 - 6:30	4.00	DRLPRO	15	A	P		LAYOUT & STRAP BHA & D/P, HPJSM W/ RIG & P/U CREWS, INSTALL WEAR BUSHING, R/U & P/U, BIT #1,MM, DIR TOOLS & SCRIBE, P/U 50 JTS D/P, R/D
11/9/2009	6:30 - 12:30	6.00	DRLPRO	06	A	P		CUT & SLIP DRILG LINE
	12:30 - 13:30	1.00	DRLPRO	09	A	P		
11/10/2009								

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-6K-3 Spud Conductor: 2/23/2009 Spud Date: 2/26/2009

Project: UTAH-UINTAH Site: NBU 1022-6K-3 Rig Name No: PIONEER 69/69, PROPETRO/

Event: DRILLING Start Date: 2/25/2009 End Date: 11/16/2009

Active Datum: RKB @5,122.00ft (above Mean Sea Level) UWI: 0/10/S/22/E/6/0/SWNE/SW/6/PM/S/1,844.00/W/0/1,161.00/O/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:30 - 14:30	1.00	DRLPRO	06	A	P		INSTALL ROT RUBBER, KELLY BUSHINGS, PRESPUD INSPECTION
	14:30 - 15:00	0.50	DRLPRO	07	A	P		SERVICE RIG
	15:00 - 16:30	1.50	DRLPRO	08	B	Z		REBIULD 2" VALVE ON STAND PIPE
	16:30 - 18:30	2.00	DRLPRO	02	F	P		DRLG CEMENT, F/E & OPEN HOLE F/ 2170 TO 2288', SPUD HOLE @ 18:30 11/10/09
	18:30 - 0:00	5.50	DRLPRO	02	B	P		DRLG,SLIDE, SURVEY F/ 2288 TO 2960', 672' @ 122.2' PH, CIRC RESERVE W/ GEL & POLY SWEEPS, WOB 18, RPM 50, MM 98, SPM 125, GPM 473, PU/SO/ROT 100-85-95, ON/OFF 1400-1200, DIFF 150-250, SLIDES 2328-2340, 2391-2405, 2454-2468, 2707-2721
11/11/2009	0:00 - 2:00	2.00	DRLPRO	02	B	P		DRLG F/ 2960 TO 3166, SLIDE 3087-3105
	2:00 - 3:30	1.50	DRLPRO	08	A	Z		REPLACE BLOW AIR LINE TO ROT CLUTCH
	3:30 - 13:00	9.50	DRLPRO	02	B	P		DRLG F/ 3166 TO 4225', 1059' @ 111.4 FPH, WOB 19, RPM 50, MRPM 98, UP/DN/RT 120/100/110, ON/OFF PSI 1650/1400, DIFF 250, SWEEPING HOLE. SLIDE 3751'-3766'
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	13:30 - 15:30	2.00	DRLPRO	08	B	Z		REPLACE ROTARY OILER PUMP
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRILL F/ 4225'- 5095' 870' @ 102.3 FPH, WOB 20, RPM 50, MRPM 98, UP/DN/ROT 140/130/135, ON/OFF PSI 1659/1419, DIFF 240, SWEEPING HOLE. SLIDE 4225'-4240' / 4320'-4335'
11/12/2009	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRILL F/ 5095' - 6248' 1153' @ 82.3 FPH, WOB 20, RPM 50, MRPM 98, UP/DN/ROT 155/135/146, ON/OFF PSI 1700/1550, DIFF 150 PSI, SWEEPING HOLE
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRILL F/ 6248' - 6804' 556' @ 58.5 FPH, WOB 20, RPM 50, MRPM 98, UP/DN/ROT 165/145/155, ON/OFF PSI 1810/1624, DIFF 186, SWEEPING HOLE
11/13/2009	0:00 - 15:30	15.50	DRLPRO	02	B	P		DRILL F/ 6804'-7608' 804' @ 51.8 FPH, WOB 22, RPM 50, MRPM 98, UP/DN/ROT 176/145/160, ON/OFF PSI 2350/2170, DIFF 180, VIS 36, MW 10.3
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRILL F/ 7608' - 8109' 501' @ 62.6 FPH, WOB 22, RPM 50, MRPM 98, UP/DN/ROT 180/150/168, ON/OFF PSI 2295/1969, DIFF 326, VIS 42, MW 10.9
11/14/2009	0:00 - 1:00	1.00	DRLPRO	05	A	P		HOLE TAKING FLUID W/ 10.9 MW CIRC & RAISE LCM TO 10%. LOST 47 BBLS MUD
	1:00 - 14:00	13.00	DRLPRO	02	B	P		DRILL F/ 8109' - 8683' 574' @ 44.1 FPH, WOB 22-24, RPM 50, MRPM 94, UP/DN/ROT 185/145/173, ON/OFF PSI 2550/2388, DIFF 162, VIS 39, MW 11.6+
	14:00 - 16:30	2.50	DRLPRO	05	C	P		CIRC F/ BIT TRIP. GAS WONT GO DOWN 2200 UNITS BACK GROUND GAS.RAISING MUD WT.
	16:30 - 21:00	4.50	DRLPRO	06	A	P		TOOH,LD DN DIR TOOLS,MOTOR & BIT
	21:00 - 0:00	3.00	DRLPRO	06	A	P		PICK UP NEW .16 MOTOR, HUGHES Q505X BIT & TIH
11/15/2009	0:00 - 1:30	1.50	DRLPRO	03	E	P		WASH & REAM TO BOTTOM. NO FILL
	1:30 - 10:30	9.00	DRLPRO	02	B	P		DRILL 8683' - 9218' 535' @ 59.4 FPH, WOB 18-24, RPM 50, MRPM 73, UP/DN/ROT 185/160/170, ON/OFF PSI 2741/2444, DIFF 297, VIS 43, MW 12.1, LCM 10%
	10:30 - 11:30	1.00	DRLPRO	05	C	P		CIRC F/ SHORT TRIP
	11:30 - 12:00	0.50	DRLPRO	06	E	P		SHORT TRIP 10 STDS TO 8596'
	12:00 - 13:30	1.50	DRLPRO	05	C	P		CIRC TO LDDS

RECEIVED December 29, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-6K-3		Spud Conductor: 2/23/2009		Spud Date: 2/26/2009	
Project: UTAH-UINTAH		Site: NBU 1022-6K-3		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 2/25/2009		End Date: 11/16/2009	
Active Datum: RKB @5,122.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/6/0/SWNESEW/6/PM/S/1,844.00/W/0/1,161.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/16/2009	13:30 - 19:30	6.00	DRLPRO	06	A	P		LDDS,PULL WEAR BUSHING
	19:30 - 0:00	4.50	DRLPRO	11	D	P		RUN TRIPLE COMBO LOGGS F/ 9220' TO SHOE & GR TO SURFACE
	0:00 - 0:30	0.50	DRLPRO	12	A	P		HELD SAFETY MEETING. RIG UP KIMZEY CSG.
	0:30 - 5:30	5.00	DRLPRO	12	C	P		RUN 4.5 PRODUCTION CSG TO 9209' SHOE 9209' FLOAT 9170'
	5:30 - 7:00	1.50	DRLPRO	05	D	P		HOOK UP BJ HEAD & CIRC OUT GAS W/ RIG PUMP. HELD SAFETY MEETING W/ BJ
	7:00 - 10:00	3.00	DRLPRO	12	E	P		SWITCH LINES & PSI TEST TO 4000 PSI, PUMP 40 BBLS WATER @ 8.3 PPG, PUMP LEAD 221.23 BBLS,556 SCKS PREMIUM LITE11 CEMENT @ 12.1 PPG,2.23 cF/ SACK YIELD, PUMP TAIL 309.03 BBLS,1325 SCKS 50:50:2 POZ MIX CEMENT @ 14.3 PPG,1.31 cF/SACK YIELD, FLUSH LINES @ DROP PLUG, DISPLACE W/ 142.5 BBLS WATER W/ CLAYTREAT + 1 GL MAGNACIDE & CORR INHIBITER, BUMP PLUG W/ 3150 PSI, ORIGINAL PUMP PSI 2600, 500 OVER PSI, 100% RETURNS TO PITS W/ 80 BBLS CMT BACK TO SURFACE, BLEED OFF 1.5 BBLS. SET CSG W/ 55K STRING WT. RIG DOWN BJ. TOP OF TAIL @ 3200'
	10:00 - 14:00	4.00	DRLPRO	14	A	P		NIPPLE DOWN BOP & CLEAN MUD PITS. RELEASE RIG @ 14:00 11/16/2009

RECEIVED December 29, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-6K-3	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH-UINTAH	Site: NBU 1022-6K-3	Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 12/17/2009	End Date: 12/23/2009
Active Datum: RKB @5,122.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/6/0/SWNE/SW/6/PM/S/1,844.00/W/0/1,161.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/17/2009	7:00 - 7:15	0.25	COMP	48		P		DAY 1 - JSA & SM. NO H2S PRESENT
	7:15 - 7:15	0.00	COMP	30	A	P		R/D SERVICE UNIT & ROAD RIG FROM NBU 471 TO NBU 1022-6K3. MIRU SERVICE UNIT. SPOT EQUIP. WHP = 0 PSI. NDWH, NU BOP. RIG UP FLOOR & TBG. EQUIP. PREP & TALLY TBG. PU 3 7/8" MILL & SUB. RIH ON 2 3/8" TBG. TAG FILL @ 9130'. PBTD @ 9169'. LD 10 JTS ON FLOAT. EOT @ 8827'.
12/18/2009	7:00 - 7:15	0.25	COMP	48		P		18:00 - SWI - SDFN
	7:15 - 7:15	0.00	COMP	31	I	P		DAY 2 - JSA & SM. NO H2S PRESENT WHP = 0 PSI, EOT @ 8827'. RIH W/TBG. TAG FILL @ 9130'. RU RIG PMP. EST CIRC. CIRC WELL CLEAN. POOH W/TBG, LD 69 JTS ON FLOAT, STD BK 111 STDS IN DRK. LD MILL & BIT SUB. ND BOP, INSTALL WH ISOLATION SLEEVE, NU FRAC VALVES. LOAD HOLE W/TMAC. MIRU B & C QUICK TEST. PT CSG & FRAC VALVES TO 7000 PSI. (GOOD TEST) RDMO B & C QUICK TEST. MIRU CASED HOLE SOLUTIONS. PU 3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. RIH & PERF THE M.V. @ 9117' - 19', 4 SPF, 9057' - 59', 4 SPF, 8998' - 9004', 4 SPF, 40 HOLES. POOH & LD TOOLS. FREEZE PROTECT WELL HEAD.
12/21/2009	7:20 - 7:30	0.17	COMP	48		P		16:30 - SWI - SDFWE, PREP WELL TO FRAC ON 12/21/09.
	7:30 - 8:30	1.00	COMP	36	E	P		DAY 3 - JSA & SM. NO H2S PRESENT. MIRU FRAC TECH. HOLD JSA W/FRAC & PERF CREWS. PT SURFACE EQUIP. TO 8000 PSI. STG 1) WHP = 481 PSI. BRK DWN PERFS 3.6 BPM @ 3496 PSI. INJECTION TEST 9.6 BPM @ 3138 PSI. ISIP = 2640 PSI, FG = 0.72. PMP 140 BBLS W/10/1000 SCALE INHIB., PMP 130 BBLS 51 BPM @ 4850 PSI. 40/40 PERFS OPEN-100%. MP 6817 PSI, MR 56.6 BPM, AP 4510 PSI, AR 49.9 BPM, ISIP = 2745 PSI, FG 0.74, NPI = 105 PSI. PMPD 943 BBLS SLK WTR, 18,058 LBS OTTOWA SND, 6,183 LBS TLC SND, 24,241 LBS TOTAL SND.
	8:30 - 10:00	1.50	COMP	37	B	P		STG 2) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. SET HALCO 8K CBP @ 8813', PERF THE M.V. @ 8781' - 83', 4 SPF, 8736' - 38', 4 SPF, 8720' - 23', 4 SPF, 8709' - 12', 4 SPF, 40 HOLES.

RECEIVED December 29, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-6K-3		Spud Conductor: 2/23/2009		Spud Date: 2/26/2009	
Project: UTAH-UINTAH		Site: NBU 1022-6K-3		Rig Name No: SWABBCO 1/1	
Event: COMPLETION		Start Date: 12/17/2009		End Date: 12/23/2009	
Active Datum: RKB @5,122.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/6/0/SWNE6/PM/S/1,844.00/W/0/1,161.00/O/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	PAU	MD From (ft)	Operation
	10:09 - 11:05	0.93	COMP	36	E	P		STG 2) WHP = 1075 PSI. BRK DWN PERFS 9.5 BPM @ 3783 PSI. INJECTION TEST 10.5 BPM @ 3021 PSI. ISIP = 2657 PSI, FG = 0.74. PMP 340 BBLS 55 BPM @ 5330 PSI. 40/40 PERFS OPEN - 100%. MP 6998 PSI, MR 56.4 BPM, AP 6210 PSI, AR 54 BPM, ISIP = 4101 PSI, FG 0.90, NPI = 1440 PSI. PMPD 1674 BBLS SLK WTR, 61,153 LBS OTTOWA SND, 6,908 LBS TLC SND, 68,061 LBS TOTAL SND.
	11:05 - 12:17	1.20	COMP	37	B	P		STG 3) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. SET HALCO 8K CBP @ 8635', PERF THE M.V. @ 8601' - 05', 4 SPF, 8586' - 88', 4 SPF, 8532' - 36', 4 SPF, 40 HOLES.
	12:17 - 12:44	0.45	COMP	36	E	P		STG 3) WHP = 1528 PSI. BRK DWN PERFS 4.6 BPM @ 3360 PSI. INJECTION TEST 9.8 BPM @ 2967 PSI. ISIP = 2626 PSI, FG = 0.74. PMP 105 BBLS 50 BPM @ 5060 PSI. 36/40 PERFS OPEN - 90%. MP 5353 PSI, MR 51.1 BPM, AP 4442 PSI, AR 50.4 BPM, ISIP = 2720 PSI, FG 0.75, NPI = 94 PSI. PMPD 815 BBLS SLK WTR, 21,576 LBS OTTOWA SND, 6,776 LBS TLC SND, 28,352 LBS TOTAL SND.
	12:44 - 14:15	1.52	COMP	37	B	P		STG 4) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. SET HALCO 8K CBP @ 8466', PERF THE M.V. @ 8420' - 26', 4 SPF, 8363' - 67', 4 SPF, 40 HOLES. (DID NOT SEE A KICK ON VOLT METER OR FEEL KICK ON LINE ON LAST SHOT. (8363' - 67'), BUT ALL GNS WERE SHOT ONCE OUT OF HOLE).
	14:15 - 14:48	0.55	COMP	36	E	P		STG 4) WHP = 1515 PSI. BRK DWN PERFS 4.4 BPM @ 3249 PSI. INJECTION TEST 10 BPM @ 2914 PSI. ISIP = 2627 PSI, FG = 0.75. PMP 110 BBLS 50 BPM @ 4690 PSI. 40/40 PERFS OPEN - 100%. MP 5353 PSI, MR 51.1 BPM, AP 4442 PSI, AR 50.4 BPM, ISIP = 2720 PSI, FG 0.75, NPI = 11 PSI. PMPD 815 BBLS SLK WTR, 21,576 LBS OTTOWA SND, 6,776 LBS TLC SND, 28,352 LBS TOTAL SND.
	14:48 - 16:03	1.25	COMP	37	B	P		STG 5) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. SET HALCO 8K CBP @ 8140', PERF THE M.V. @ 8108' - 10', 4 SPF, 8092' - 94', 4 SPF, 8058' - 62', 4 SPF, 8044' - 46', 4 SPF, 40 HOLES.
	16:03 - 16:37	0.57	COMP	36	E	P		STG 5) WHP = 1250 PSI. BRK DWN PERFS 7.5 BPM @ 3631 PSI. INJECTION TEST 9.8 BPM @ 2655 PSI. ISIP = 2192 PSI, FG = 0.70. PMP 80 BBLS 51 BPM @ 4550 PSI. 40/40 PERFS OPEN - 100%. MP 4848 PSI, MR 51.3 BPM, AP 3940 PSI, AR 50.5 BPM, ISIP = 2327 PSI, FG 0.72, NPI = 135 PSI. PMPD 788 BBLS SLK WTR, 22,535 LBS OTTOWA SND, 7,222 LBS TLC SND, 29,757 LBS TOTAL SND.
	16:37 - 17:43	1.10	COMP	37	B	P		STG 6) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. SET HALCO 8K CBP @ 7984', PERF THE M.V. @ 7958' - 60', 4 SPF, 7936' - 38', 4 SPF, 7876' - 78', 4 SPF, 7822' - 26', 4 SPF, 40 HOLES.
	17:43 - 18:00	0.28	COMP	30		P		18:00 - SWI - SDFN. FREEZE PROTECT WH.
12/22/2009	6:45 - 7:00	0.25	COMP	48		P		DAY 4 - JSA & SM. NO H2S PRESENT.

RECEIVED December 29, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-6K-3	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH-UINTAH	Site: NBU 1022-6K-3	Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 12/17/2009	End Date: 12/23/2009
Active Datum: RKB @5,122.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/6/0/SWNESW/6/PM/S/1,844.00/W/0/1,161.00/O/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 7:40	0.67	COMP	36	E	P		RU FRAC TECH. PT SURFACE EQUIP TO 8000 PSI. STG 6) WHP = 2822 PSI. BRK DWN PERFS 4.4 BPM @ 4845 PSI. INJECTION TEST 10.2 BPM @ 2334 PSI. ISIP = 1799 PSI, FG = 0.66. PMP 120 BBLs 51 BPM @ 4475 PSI. 33/40 PERFS OPEN - 83%. MP 5510 PSI, MR 53.5 BPM, AP 4422 PSI, AR 50.1 BPM, ISIP = 2405 PSI, FG 0.74, NPI = 606 PSI. PMPD 1102 BBLs SLK WTR, 36,250 LBS OTTOWA SND, 6,926 LBS TLC SND, 43,176 LBS TOTAL SND.
	7:40 - 9:20	1.67	COMP	37	B	P		STG 7) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. SET HALCO 8K CBP @ 7760', PERF THE M.V. @ 7722' - 30', 4 SPF, 7520' - 22', 4 SPF, 40 HOLES.
	9:20 - 9:55	0.58	COMP	36	E	P		STG 7) WHP = 1034 PSI. BRK DWN PERFS 6.9 BPM @ 3945 PSI. INJECTION TEST 10 BPM @ 2922 PSI. ISIP = 2234 PSI, FG = 0.73. PMP 100 BBLs 51 BPM @ 4850 PSI. 33/40 PERFS OPEN - 83%. MP 6597 PSI, MR 51.6 BPM, AP 4140 PSI, AR 50 BPM, ISIP = 2464 PSI, FG 0.76, NPI = 230 PSI. PMPD 962 BBLs SLK WTR, 31,106 LBS OTTOWA SND, 6,468 LBS TLC SND, 37,574 LBS TOTAL SND.
	9:55 - 11:07	1.20	COMP	37	B	P		STG 8) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. SET HALCO 8K CBP @ 7420', PERF THE M.V. @ 7388' - 90', 4 SPF, 7355' - 57', 4 SPF, 7264' - 68', 4 SPF, 7220' - 22', 4 SPF, 40 HOLES.
	11:07 - 11:40	0.55	COMP	36	E	P		STG 8) WHP = 780 PSI. BRK DWN PERFS 6.7 BPM @ 2786 PSI. INJECTION TEST 10 BPM @ 2257 PSI. ISIP = 1935 PSI, FG = 0.70. PMP 115 BBLs 51 BPM @ 4050 PSI. 40/40 PERFS OPEN - 100%. MP 4340 PSI, MR 52.1 BPM, AP 3450 PSI, AR 50.4 BPM, ISIP = 1723 PSI, FG 0.67, NPI = (-212) PSI. PMPD 1160 BBLs SLK WTR, 42,490 LBS OTTOWA SND, 6,187 LBS TLC SND, 48,678 LBS TOTAL SND.
	11:40 - 12:35	0.92	COMP	37	B	P		STG 9) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. SET HALCO 8K CBP @ 7166', PERF THE M.V. @ 7130' - 36', 4 SPF, & WASATCH @ 7048' - 52', 4 SPF, 40 HOLES.
	12:35 - 13:23	0.80	COMP	36	E	P		STG 9) WHP = 417 PSI. BRK DWN PERFS 6.4 BPM @ 3827 PSI. INJECTION TEST 10 BPM @ 2063 PSI. ISIP = 1676 PSI, FG = 0.67. PMP 90 BBLs 50 BPM @ 3800 PSI. 39/40 PERFS OPEN - 98%. MP 4328 PSI, MR 50.9 BPM, AP 3363 PSI, AR 50.3 BPM, ISIP = 2064 PSI, FG 0.72, NPI = 388 PSI. PMPD 1470 BBLs SLK WTR, 62,411 LBS OTTOWA SND, 9,198 LBS TLC SND, 71,609 LBS TOTAL SND.
	13:23 - 14:20	0.95	COMP	34	I	P		ILL PLUG) RIH W/HALCO 8K CBP & SET @ 6998'. POOH & LD TOOLS. RDMO FRAC TECH & CASED HOLE SOLUTIONS.
								RD FLOOR, ND FRAC VALVES, NU BOP. RU FLOOR & TBG EQUIP.
								15:30 - SWI - SDFN. PREP TO DRLG OUT PLGS IN AM.

RECEIVED December 29, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-6K-3		Spud Conductor: 2/23/2009		Spud Date: 2/26/2009				
Project: UTAH-UINTAH		Site: NBU 1022-6K-3		Rig Name No: SWABBCO 1/1				
Event: COMPLETION		Start Date: 12/17/2009		End Date: 12/23/2009				
Active Datum: RKB @5,122.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/6/0/SWNESW/6/PM/S/1,844.00/W/0/1,161.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	PAU	MD From (ft)	Operation
12/23/2009	7:00 - 7:15	0.25	COMP	48		P		DAY 5 - JSA & SM. NO H2S PRESENT.

RECEIVED December 29, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-6K-3	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH-UINTAH	Site: NBU 1022-6K-3	Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 12/17/2009	End Date: 12/23/2009
Active Datum: RKB @5,122.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/6/0/SWNE6/6/PM/S/1,844.00/W/0/1,161.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 7:15	0.00	COMP	44	C	P		WHP = 0 PSI. PU 3 7/8" MILL, POBS & XN NIPPLE, RIH ON NEW 2 3/8" 4.7# J55 TBG. TAG FILL @ 6968'. RU PWR SWVL & PMP. EST CIRC. PT BOP TO 3000 PSI. C/O 30' OF SND. PLUG #1) DRLG OUT HALCO 8K CBP @ 6998' IN 18 MIN. 850 PSI DIFF. RIH TAG FILL @ 7136'. C/O 30' OF SND. FCP = 50 PSI. PLUG #2) DRLG OUT HALCO 8K CBP @ 7166' IN 15 MIN. 750 PSI DIFF. RIH TAG FILL @ 7393'. C/O 27' OF SND. FCP = 50 PSI. PLUG #3) DRLG OUT HALCO 8K CBP @ 7420' IN 15 MIN. 1200 PSI DIFF. RIH TAG FILL @ 7730'. C/O 30' OF SND. FCP = 150 PSI. PLUG #4) DRLG OUT HALCO 8K CBP @ 7760' IN 21 MIN. 1300 PSI DIFF. RIH TAG FILL @ 7950'. C/O 35' OF SND. FCP = 200 PSI. PLUG #5) DRLG OUT HALCO 8K CBP @ 7985' IN 15 MIN. 1100 PSI DIFF. RIH TAG FILL @ 8110'. C/O 30' OF SND. FCP = 250 PSI. PLUG #6) DRLG OUT HALCO 8K CBP @ 8140' IN 15 MIN. 1100 PSI DIFF. RIH TAG FILL @ 8440'. C/O 26' OF SND. FCP = 500 PSI. PLUG #7) DRLG OUT HALCO 8K CBP @ 8466' IN 10 MIN. 1200 PSI DIFF. RIH TAG FILL @ 8610'. C/O 25' OF SND. FCP = 550 PSI. PLUG #8) DRLG OUT HALCO 8K CBP @ 8635' IN 10 MIN. 1000 PSI DIFF. RIH TAG FILL @ 8778'. C/O 35' OF SND. FCP = 750 PSI. PLUG #9) DRLG OUT HALCO 8K CBP @ 8813' IN 18 MIN. 1400 PSI DIFF. RIH TAG FILL @ 9134'. C/O 9' OF SND. FCP = 750 PSI. EOT @ 9143'. (BTM PERF @ 9119') PBD @ 9169'. CIRC WELL CLEAN. RD PWR SWVL. RU TBG EQUIP. POOH & LD 15 JTS ON FLOAT (23 JTS TOTAL ON FLOAT). LND TBG ON HANGER W/276 JTS NEW 2 3/8" 4.7# J55 TBG. SICP = 1800 PSI. EOT @ 8683.30'. XN NIPPLE @ 8681.10'. AVG 15 MIN/PLG. C/O 277' OF SND. RD FLOOR & TBG EQUIP. ND BOP, DROP BALL DWN TBG, NUWH. PMP OFF MILL @ 1800 PSI. WAIT 30 MIN FOR BALL TO FALL TO BTM. OPEN WELL TO F.B.T. ON 20 CHOKE. FTP = 000 PSI. SICP = 1900 PIS. TURN WELL OVER TO F.B.C. KB 18.00' HANGER 0.83' 276 JTS TBG 8662.27' N/C XN NIPPLE 1.20' TOTAL 8663.47' FRAC 9909 BBLS

RECEIVED December 29, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-6K-3		Spud Conductor: 2/23/2009		Spud Date: 2/26/2009	
Project: UTAH-UINTAH		Site: NBU 1022-6K-3		Rig Name No: SWABBCO 1/1	
Event: COMPLETION		Start Date: 12/17/2009		End Date: 12/23/2009	
Active Datum: RKB @5,122.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/6/0/SWNESEW/6/PM/S/1,844.00/W/0/1,161.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								C/O 190 BBLS TOTAL 10099 BBLS RECOVERED 2565 BBLS LTR 7534 BBLS
12/24/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2500#, TP 2000#, 20/64" CK, 50 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 3340 BBLS LEFT TO RECOVER: 6759
12/25/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3000#, TP 2050#, 20/64" CK, 45 BWPH, HEAVY SAND, MEDIUM GAS TTL BBLS RECOVERED: 4560 BBLS LEFT TO RECOVER: 5539
12/26/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2800#, TP 2000#, 20/64" CK, 40 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 5540 BBLS LEFT TO RECOVER: 4559
	13:00 -		PROD	50				WELL TURNED TO SALE @ 1300 HR ON 12/26/09 - FTP 2000#, CP 2800#, 2200 MCFD, 40 BWPD, 20/64 CK
12/27/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3275#, TP 1975#, 20/64" CK, 40 BWPH, MEDIUM SAND, 1.6 GAS TTL BBLS RECOVERED: 6500 BBLS LEFT TO RECOVER: 3599
12/28/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3025#, TP 1900#, 20/64" CK, 38 BWPH, LIGHT SAND, 1.8 GAS TTL BBLS RECOVERED: 7456 BBLS LEFT TO RECOVER: 2643
12/29/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2750#, TP 1850#, 20/64" CK, 30 BWPH, TRACE SAND, 1.9 GAS TTL BBLS RECOVERED: 8292 BBLS LEFT TO RECOVER: 1807

RECEIVED December 29, 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01195
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-6K-3
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1844 FSL 1161 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047384870000
PHONE NUMBER: 720 929-6515 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/21/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 09/26/2011
By:

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/21/2011	

WORKORDER #:

Name: NBU 1022-6K-3
Surface Location: NESW Sec. 6, T10S, R22E
 Uintah County, UT

5/16/2011

API: 4304738487 **LEASE#:** UTU-01195

ELEVATIONS: 5104' GL 5122' KB

TOTAL DEPTH: 9218' **PBTD:** 9170'

SURFACE CASING: 9 5/8", 36# J-55 @ 2255'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 9209'
 TOC @ 140' per CBL

PERFORATIONS: Wasatch 7048' - 7052'
 Mesaverde 7130' - 9119'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

1223' Green River
 1945' Mahogany
 4516' Wasatch
 7195' Mesaverde

NBU 1022-6K-3- WELLHEAD REPAIR PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~6998'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

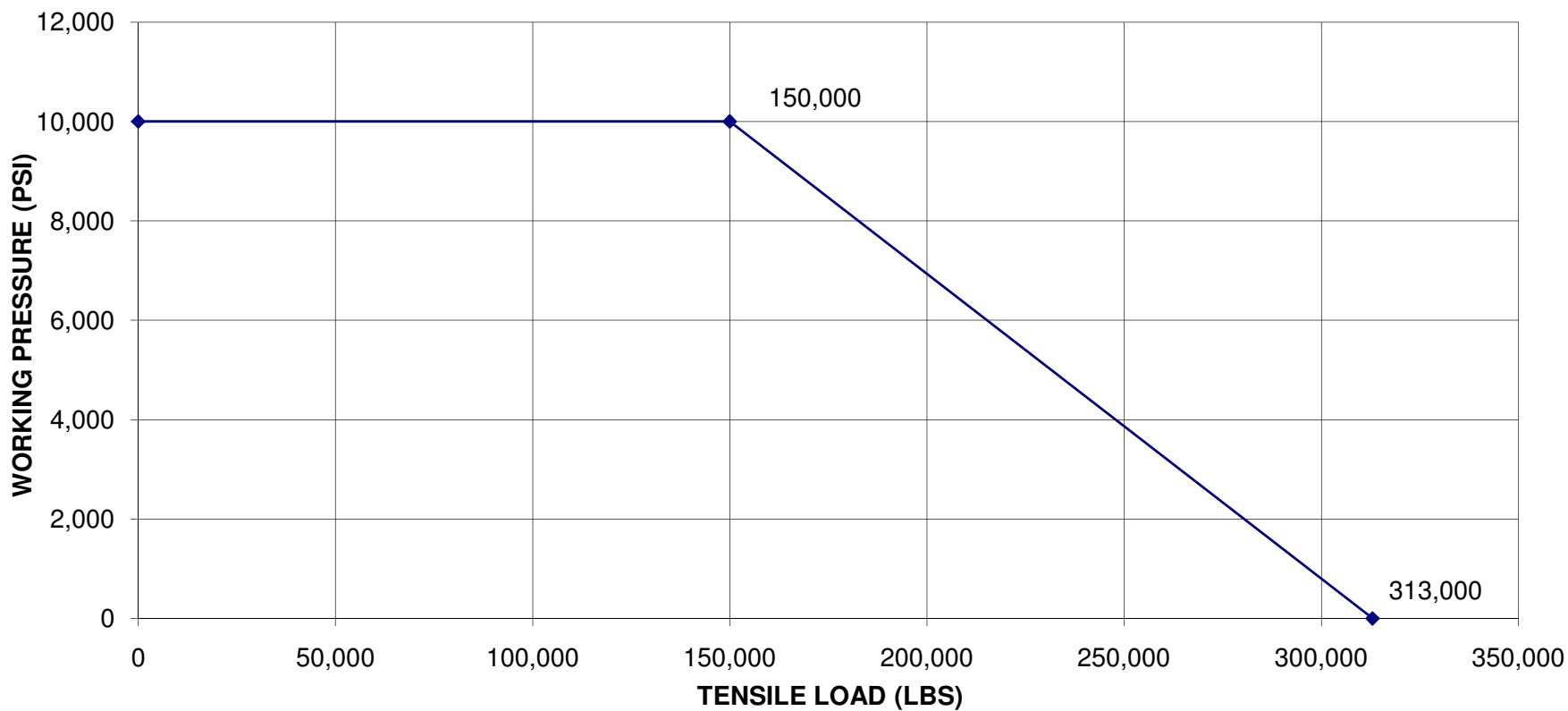
1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshot, POOH, and lay down.
4. TIH w/ skirted mill and dress off the fish top for approximately 1/2 hour. TOOH.
5. PU & RIH w/ 4 1/2" 10k external casing patch on 4 1/2" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.
6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.
7. Install slips. Land casing w/ 80,000# tension.
8. Cut-off and dress 4 1/2" casing stub.
9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6948'. Clean out to PBTD (9170').
10. POOH, land tbg and pump off POBS.
11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 1/2" overshot. RIH, latch fish. Pick string weight to neutral.
4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.
5. Back-off casing, POOH.

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ± 7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ± 7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.
7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.
8. Install slips. Land casing w/ 80,000# tension.
9. Cut-off and dress 4 1/2" casing stub.
10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6948'. Clean out to PBTD (9170').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.

**STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000**



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

RECEIVED Sep. 21, 2011



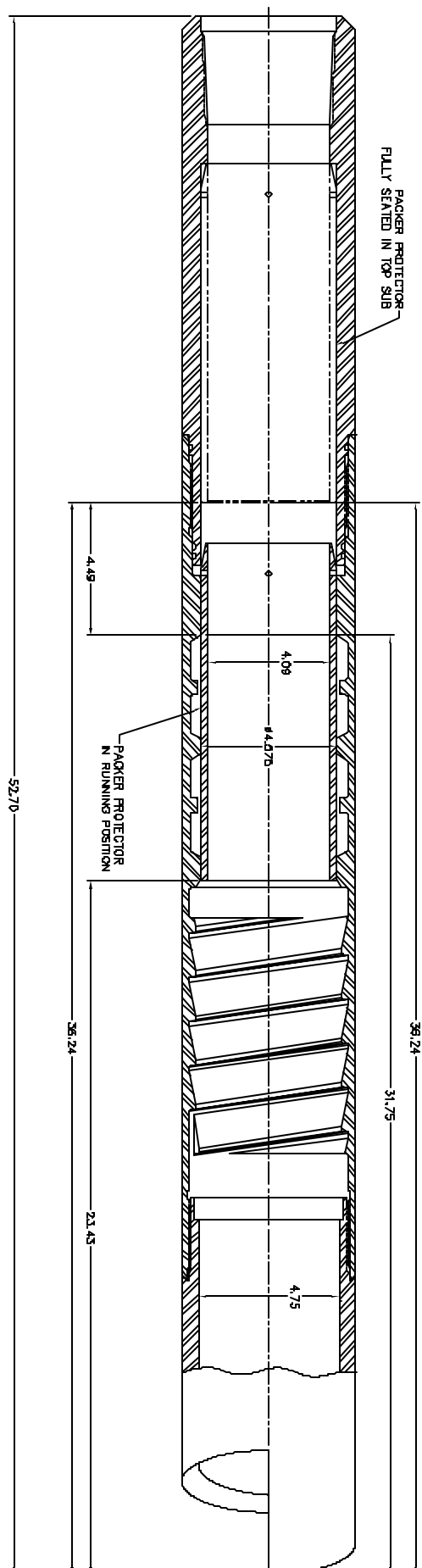
Logan High Pressure Casing Patches Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type "L" Packers.
3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.
4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.
5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.
6. Install the Cutlipped Guide into the lower end of the Bowl.
7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.

510L-005-001 4-1/2" LOGAN HP CASING PATCH



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01195
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-6K-3
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1844 FSL 1161 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047384870000
PHONE NUMBER: 720 929-6514		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/16/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator has concluded the wellhead/casing repairs on the subject well location. Please see that attached chronological history for details of the operations.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 18, 2012		
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 7/17/2012	

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-6K-3				Spud Conductor: 2/23/2009				Spud Date: 2/26/2009			
Project: UTAH-UINTAH				Site: NBU 1022-6K-3				Rig Name No: SWABBCO 6/6			
Event: WELL WORK EXPENSE				Start Date: 11/14/2011				End Date: 11/16/2011			
Active Datum: RKB @5,122.00usft (above Mean Sea Level)				UWI: 0/10/S/22/E/6/0/SWNESW/6/PM/S/1,844.00/W/0/1,161.00/0/0							
Date	Time Start-End		Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation		
11/14/2011	7:00	- 7:15	0.25	WO/REP	48		P		JSA= WELL CONTROL		
	7:15	- 17:00	9.75	WO/REP	30		P		FWP= 600 PSI CAS, 200 PSI TUB RU RIG CONT TUB W/ 30 BBLs TMAC ND WELLHEAD NU BOPS RU FLOOR & TUBING EQUIP UNLAND TUB LD HNGR POOH W/ PROD TUBING 276 JNTS LD BHA RU W/L RIH W/ GUAGE RNG TO 7100' PU 10K CIBP SET @ 7000' DUMP BAIL CEM 2 SKS FILL HOLE W/ TMAC PRESS TEST TO 500# PREP TO REPAIR WELLHEAD SIW SDFN		
11/15/2011	7:00	- 7:15	0.25	WO/REP	48		P		JSA= W/L SAFETY		
	7:15	- 17:00	9.75	WO/REP	30		P		SIWP= 0 PSI ND BOPS PU INT CUTTER & CUT CSG BELOW HNGR POOH PUOVERSHOT RIH OVER CSG APPLY LH TORQUE SET OFF STRING SHOT B/O PUP POOH PU NEW 10' X 4-1/2" PUP RIH THREAD ONTO CSG STRING TORQUE TO 6500# NU TESTER TEST TO 3500# 30 MIN W/ 25# LOSS SET SLIPS @ 90000# TENSION NU WELLHEAD & BOPS RU FLOOR & TUBING EQUIP PU 3-7/8" MILL RIH TAG TOC @ 6990' PREP TO D/O IN AM SIW SDFN		
11/16/2011	7:00	- 7:15	0.25	WO/REP	48		P		JSA= N2 FOAM UNIT		
	7:15	- 17:00	9.75	WO/REP	30		P		SIWP= 0 PSI NU N2 FOAM UNIT EST CIRC C/O & DRILL THRU CEM & CIBP W/ 50# INCREASE CIRC CLEAN CONTINUE TO RIH TAG @ 9100' EST CIRC C/O & DRILL TO 9145' TAG SOLID CIRC CLEAN LD 15 JNTS LAND TUBING W/ 276 JNTS EOT @ 8683.47' PMP OFF BIT RIH W/ BROACH TO XN NPL RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD SIW RD RIG MOVE TO NBU 1022-6L1 RU RIG		